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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,792	02/09/2004	Isamu Suzuki	01-525	3343
23400 75	90 04/19/2006		EXAMINER	
POSZ LAW GROUP, PLC			NGUYEN, THU V	
12040 SOUTH LAKES DRIVE SUITE 101			ART UNIT	PAPER NUMBER
RESTON, VA	20191	3661		
·			DATE MAILED: 04/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/771,792	SUZUKI, ISAMU				
Office Action Summary	Examiner	Art Unit				
	Thu Nguyen	3661				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a , cause the application to become ABANDONE	ely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1) ☐ Responsive to communication(s) filed on 31 Ja 2a) ☐ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-18 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on is/are: a) ☐ access applicant may not request that any objection to the ore Replacement drawing sheet(s) including the correction in the oreal states are subjected to by the Examiner and subjected to by the Examiner and subjected to by the Examiner and subjection to the oreal states are subjected to by the Examiner and subjected to be subjected to by the Examiner and subjected to be subjected to by the Examiner and subjected to be subjected to be subjected to be subjected to by the Examiner and subjected to be subjected to	vn from consideration. r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See fon is required if the drawing(s) is objected to be the drawing(s).	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
	armiller. Note the attached Office	Action of form PTO-152.				
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Dail 5) Notice of Informal Pail 6) Other:	te				

DETAILED ACTION

The amendment filed on January 31, 2006 has been entered. By this amendment, claim 1 has been amended, all claims 1-18 are now pending in the application.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 2004/0056758) in view of Kimura Kenji (JP 11-312053) (enclosed IDS).

As per claim 1, Schwartz teaches an operation equipment for a vehicle, the equipment includes: a display (last section of para 0035); an electronic control unit 210 (fig.2); a driving device for determining the vehicle moving or stopping (para 0037); the electronic control unit determines that the predetermined function is allowed to perform when the vehicle is detected as stopping (para 0035); the electronic control unit determines that the predetermined function is allowed to performed when it is detected that the passenger does the operation (para 0034). Furthermore, since Schwartz teaches that the signal coupled to the detector is used for determining the operator or passenger operation (para 0037), and since Schwartz teaches that the

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signal can be "capacitive coupling" (lines 3-8, lines 46-50 of para 0035), and it would have been well known that the capacitance must be measured in capacitive coupling touch screen, Schwart obviously encompass teaching measuring the capacitance in the signal used in distinguishing the driver and the passenger. Schwartz does not explicitly disclose including a touch switch with touch sensor in the display and does not teach using a driving sensor for detecting the vehicle moving condition. However, Schwartz suggests using the touch display for entering the user input (para 0035) and the capability of detecting the vehicle moving condition (para 0034; para 0037), using well known sensor such as speed sensor for detecting the moving condition of the vehicle would have been well known. Moreover, Kimura teaches a display with touch switch (para 0010) and touch sensor for detecting an operation of a passenger or a driver (para 0011-0012). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to replace the display 108 9fig.1) of Schwartz with the touch display of Kimura in order to enhance accuracy in detecting the operator or the passenger pressing on the display and to reduce the extend of equipment installation as motivated by Kimura in para 0006.

As per claim 2, refer to claim 1 above, furthermore, providing a plurality of switches for predetermined function would have been well known.

3. Claims 3-13, 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 2004/0056758) in view of Kimura Kenji (JP 11-312053) and further in view of Boie et al (US 5,847,690).

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As per claim 3-7, 9-10, Kimura detects the position of the finger (para 0012). Further, since Kimura teaches detecting if the finger is from the driver or from the passenger of the left side or right side of the screen (para 0015), Kimura obviously encompasses detecting if the hand or the finger is closer to the display based on the known position of the driver or passenger (the left or right hand side of the display) and the point of contact of the finger; moreover, Boie teaches detecting an approach position of a finger (col.4, lines 39-42, lines 64-67; col.5, lines 1-3, lines 17-20). Furthermore, with respect to claims 5-6, Kimura teaches installing the display between the passenger seat and the driver seat (para 0009). Moreover, implementing driver seat on the left or right side of the vehicle, implementing a plurality of switches on the periphery of the display with each having a predetermined function would have been well known and obvious matter of design choice. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to detect an approach position of a finger in the system of Schwartz in order to provide the capability of detecting the position of the finger when the user does not actually touch the screen of the display.

As per claim 8, Schwartz teaches providing vehicle navigation system (para 0034).

Further, using parking brake sensor for detecting driving condition of the vehicle, displaying a map of geography around the vehicle on a navigation unit would have been well known.

As per claim 11-12, refer to claim 4 above. Moreover, since Kimura teaches detecting if the finger is from the driver or from the passenger of the left side or right side of the screen (para

0015) and at the same time detecting the position of the finger (para 0013, 0015), Kimura obviously encompasses teaching detecting the approach position and the touch position simultaneously.

As per claim 13, Kimura teaches a touch sensor including a thin film and current supply (para 0011). Boie also teaches including a thin film and current supplies (col.4, lines 14-20) and the capability of detecting approach position and touch position on the basis of the capacitance of the capacitor (col.4, lines 64-68; col.5, lines 1-35). Moreover, using thin film as capacitor for detecting the movement of hand or finger in a touch panel display would have been well known.

As per claim 16-18, using photo acceptance devices and light emitting devices to detect the hand or finger position based on the reflected light would have been well known.

4. Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz (US 2004/0056758) in view of Kimura Kenji (JP 11-312053) and further in view of Boie et al (US 5,847,690) and Philipp (US 2003/0132922).

As per claim 14-15, Boie teaches the capability of distinguishing the touch position from the approach position on the basis of the currents (col.5, lines 4-35). Furthermore, Philipp teaches detecting the position of the hand and finger by recording and the approach position and the finger touch position and recognizing the touch position using the signal strength threshold (para 0049-0050). It would have been obvious to a person of ordinary skill in the art at the time

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the invention was made to include the capability of distinguishing the touch position from the approach position in the system of Schwartz in order to facilitate recognizing the driver or the passenger who are selecting a function on the display.

Response to Arguments

5. Applicant's arguments filed January 31, 2006 have been fully considered but they are not persuasive.

In response to applicant's argument in page 12, line 1 through the first paragraph, claim 1 does not explicitly disclose how the capacitance is used in distinguishing the operation of the driver and of the passenger. Claim 1 does not disclose detecting a difference in capacitance between the touch switch and a finger (or a hand) as asserted by the applicant in page 12, lines 3-4 either (even though this is claimed, the difference in capacitance can be used to determine the closeness of the finger (or hand) to the switch, this is taught by Boie (US 5,847,690) but it does not seem to be used in distinguishing the operation from the driver or the passenger). The examiner agrees with the applicant that Schwartz teaches using the first and second signals generated by the generators 202, 1, M, and distinguishing the two signals. However, since the two signals taught by Schwartz are actually the capacity coupling signals when the input switch is built in the touch screen (lines 3-5, lines 46-50 of paragraph 0035), and since from the teaching of Boie, it is well known that the capacitance of the two signals should be determined at the detector (or the receiver), Schwartz obviously encompasses teaching determining the

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capacitive of the two signals which signals are used in distinguishing if it is generated by the operator or by the passenger.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thu Nguyen whose telephone number is (571) 272-6967. The examiner can normally be reached on T-F (7:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 12, 2006

THU V. NGUYEN
PRIMARY EXAMINER

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